



BARGE "IB 1903"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = $\frac{4'-00''}{2}$
 DIF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 176'-09"

May 4, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1903"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	161,036	0	153,335	0	144,965	0	136,594	0	128,223	0	117,478	0	104,542	0	91,608	0	78,670	0
1/4	1/4	160,946	1/4	153,161	1/4	144,790	1/4	136,420	1/4	128,049	1/4	117,209	1/4	104,272	1/4	91,338	1/4	78,400	1/4
1/2	1/2	160,856	1/2	152,987	1/2	144,616	1/2	136,245	1/2	127,874	1/2	116,939	1/2	104,003	1/2	91,059	1/2	78,131	1/2
3/4	3/4	160,766	3/4	152,812	3/4	144,441	3/4	136,071	3/4	127,700	3/4	116,768	3/4	103,734	3/4	90,799	3/4	77,861	3/4
1	1	160,681	1	152,638	1	144,267	1	135,896	1	127,526	1	116,500	1	103,464	1	90,530	1	77,591	1
1/4	1/4	160,597	1/4	152,463	1/4	144,093	1/4	135,722	1/4	127,351	1/4	116,131	1/4	103,195	1/4	90,260	1/4	77,322	1/4
1/2	1/2	160,513	1/2	152,289	1/2	143,918	1/2	135,548	1/2	127,177	1/2	115,861	1/2	102,926	1/2	89,991	1/2	77,052	1/2
3/4	3/4	160,428	3/4	152,115	3/4	143,744	3/4	135,373	3/4	127,003	3/4	115,594	3/4	102,656	3/4	89,721	3/4	76,783	3/4
2	2	160,267	2	151,940	2	143,570	2	135,199	2	126,828	2	115,322	2	102,387	2	89,452	2	76,513	2
1/4	1/4	160,105	1/4	151,766	1/4	143,395	1/4	135,024	1/4	126,654	1/4	115,052	1/4	102,118	1/4	89,182	1/4	76,244	1/4
1/2	1/2	159,944	1/2	151,591	1/2	143,221	1/2	134,850	1/2	126,479	1/2	114,783	1/2	101,848	1/2	88,912	1/2	75,974	1/2
3/4	3/4	159,782	3/4	151,417	3/4	143,046	3/4	134,679	3/4	126,305	3/4	114,513	3/4	101,579	3/4	88,643	3/4	75,705	3/4
3	3	159,609	3	151,243	3	142,872	3	134,501	3	126,131	3	114,244	3	101,309	3	88,373	3	75,435	3
1/4	1/4	159,436	1/4	151,068	1/4	142,698	1/4	134,327	1/4	125,956	1/4	113,974	1/4	101,040	1/4	88,104	1/4	75,166	1/4
1/2	1/2	159,262	1/2	150,894	1/2	142,523	1/2	134,152	1/2	125,782	1/2	113,705	1/2	100,771	1/2	87,834	1/2	74,896	1/2
3/4	3/4	159,089	3/4	150,720	3/4	142,349	3/4	133,978	3/4	125,608	3/4	113,435	3/4	100,501	3/4	87,565	3/4	74,626	3/4
4	4	158,915	4	150,545	4	142,174	4	133,804	4	125,434	4	113,166	4	100,232	4	87,295	4	74,357	4
1/4	1/4	158,741	1/4	150,371	1/4	142,000	1/4	133,629	1/4	125,260	1/4	112,896	1/4	99,963	1/4	87,026	1/4	74,087	1/4
1/2	1/2	158,567	1/2	150,196	1/2	141,826	1/2	133,455	1/2	125,086	1/2	112,626	1/2	99,693	1/2	86,756	1/2	73,818	1/2
3/4	3/4	158,393	3/4	150,022	3/4	141,651	3/4	133,281	3/4	124,912	3/4	112,357	3/4	99,424	3/4	86,487	3/4	73,548	3/4
5	5	158,218	5	149,848	5	141,477	5	133,106	5	124,738	5	112,087	5	99,155	5	86,217	5	73,279	5
1/4	1/4	158,044	1/4	149,673	1/4	141,302	1/4	132,932	1/4	124,565	1/4	111,818	1/4	98,885	1/4	85,947	1/4	73,010	1/4
1/2	1/2	157,870	1/2	149,499	1/2	141,128	1/2	132,757	1/2	124,391	1/2	111,548	1/2	98,616	1/2	85,678	1/2	72,741	1/2
3/4	3/4	157,695	3/4	149,324	3/4	140,954	3/4	132,583	3/4	124,217	3/4	111,279	3/4	98,347	3/4	85,408	3/4	72,472	3/4
6	6	157,521	6	149,150	6	140,779	6	132,409	6	123,947	6	111,009	6	98,077	6	85,139	6	72,204	6
1/4	1/4	157,346	1/4	148,976	1/4	140,605	1/4	132,234	1/4	123,768	1/4	110,740	1/4	97,807	1/4	84,869	1/4	71,935	1/4
1/2	1/2	157,172	1/2	148,801	1/2	140,431	1/2	132,060	1/2	123,588	1/2	110,470	1/2	97,538	1/2	84,600	1/2	71,666	1/2
3/4	3/4	156,998	3/4	148,627	3/4	140,256	3/4	131,885	3/4	123,409	3/4	110,201	3/4	97,268	3/4	84,330	3/4	71,397	3/4
7	7	156,823	7	148,452	7	140,082	7	131,711	7	123,229	7	109,931	7	96,999	7	84,061	7	71,128	7
1/4	1/4	156,649	1/4	148,278	1/4	139,907	1/4	131,537	1/4	123,050	1/4	109,661	1/4	96,729	1/4	83,791	1/4	70,859	1/4
1/2	1/2	156,474	1/2	148,104	1/2	139,733	1/2	131,362	1/2	122,870	1/2	109,392	1/2	96,460	1/2	83,521	1/2	70,590	1/2
3/4	3/4	156,300	3/4	147,929	3/4	139,559	3/4	131,188	3/4	122,691	3/4	109,122	3/4	96,190	3/4	83,252	3/4	70,321	3/4
8	8	156,126	8	147,755	8	139,384	8	131,013	8	122,511	8	108,853	8	95,921	8	82,982	8	70,052	8
1/4	1/4	155,951	1/4	147,581	1/4	139,210	1/4	130,839	1/4	122,331	1/4	108,583	1/4	95,651	1/4	82,713	1/4	69,783	1/4
1/2	1/2	155,777	1/2	147,406	1/2	139,035	1/2	130,665	1/2	122,152	1/2	108,314	1/2	95,382	1/2	82,443	1/2	69,514	1/2
3/4	3/4	155,602	3/4	147,232	3/4	138,861	3/4	130,490	3/4	121,972	3/4	108,044	3/4	95,112	3/4	82,174	3/4	69,245	3/4
9	9	155,428	9	147,057	9	138,687	9	130,316	9	121,793	9	107,775	9	94,842	9	81,904	9	68,976	9
1/4	1/4	155,254	1/4	146,883	1/4	138,512	1/4	130,142	1/4	121,614	1/4	107,505	1/4	94,573	1/4	81,635	1/4	68,707	1/4
1/2	1/2	155,079	1/2	146,709	1/2	138,338	1/2	129,967	1/2	121,434	1/2	107,236	1/2	94,303	1/2	81,365	1/2	68,438	1/2
3/4	3/4	154,905	3/4	146,534	3/4	138,163	3/4	129,793	3/4	121,254	3/4	106,966	3/4	94,034	3/4	81,096	3/4	68,169	3/4
10	10	154,730	10	146,360	10	137,989	10	129,618	10	119,655	10	106,697	10	93,764	10	80,826	10	67,900	10
1/4	1/4	154,556	1/4	146,185	1/4	137,815	1/4	129,444	1/4	119,475	1/4	106,427	1/4	93,495	1/4	80,556	1/4	67,631	1/4
1/2	1/2	154,382	1/2	146,011	1/2	137,640	1/2	129,270	1/2	119,296	1/2	106,158	1/2	93,225	1/2	80,287	1/2	67,362	1/2
3/4	3/4	154,207	3/4	145,837	3/4	137,465	3/4	129,095	3/4	119,116	3/4	105,889	3/4	92,956	3/4	80,017	3/4	67,093	3/4
11	11	154,033	11	145,662	11	137,292	11	128,921	11	118,936	11	105,619	11	92,686	11	79,748	11	66,825	11
1/4	1/4	153,859	1/4	145,488	1/4	137,117	1/4	128,746	1/4	118,757	1/4	105,350	1/4	92,417	1/4	79,478	1/4	66,556	1/4
1/2	1/2	153,684	1/2	145,313	1/2	136,943	1/2	128,572	1/2	118,578	1/2	105,080	1/2	92,147	1/2	79,209	1/2	66,287	1/2
3/4	3/4	153,510	3/4	145,139	3/4	136,768	3/4	128,398	3/4	118,403	3/4	104,811	3/4	91,877	3/4	78,939	3/4	66,018	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 3'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "IB 1903"

1 CENTER
ULLAGE TABLE

GAUGE HEIGHT 15'-02 3/4"

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 15'-02 3/4"																	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	65,749	0	52,822	0	39,916	0	27,224	0	14,282	0	1,421	0	0	0	0	0	0	0	0
1/4	65,480	1/4	52,553	1/4	39,652	1/4	26,954	1/4	14,013	1/4	1,196	1/4	0	1/4	0	1/4	0	1/4	0
1/2	65,211	1/2	52,283	1/2	39,388	1/2	26,684	1/2	13,743	1/2	971	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,942	3/4	52,014	3/4	39,123	3/4	26,415	3/4	13,473	3/4	747	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	64,673	1	51,744	1	38,861	1	26,145	1	13,204	1	612	1	1	1	1	1	1	1	1
1/4	64,404	1/4	51,475	1/4	38,599	1/4	25,876	1/4	12,934	1/4	477	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,135	1/2	51,206	1/2	38,336	1/2	25,606	1/2	12,665	1/2	341	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,866	3/4	50,936	3/4	38,074	3/4	25,336	3/4	12,395	3/4	206	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	63,597	2	50,667	2	37,812	2	25,067	2	12,125	2	161	2	2	2	2	2	2	2	2
1/4	63,328	1/4	50,397	1/4	37,549	1/4	24,797	1/4	11,856	1/4	116	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,059	1/2	50,128	1/2	37,287	1/2	24,528	1/2	11,586	1/2	71	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,790	3/4	49,858	3/4	37,025	3/4	24,258	3/4	11,317	3/4	26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	62,521	3	49,589	3	36,762	3	23,988	3	11,047	3	0	3	3	3	3	3	3	3	3
1/4	62,252	1/4	49,320	1/4	36,500	1/4	23,719	1/4	10,777	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,982	1/2	49,050	1/2	36,238	1/2	23,449	1/2	10,508	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,713	3/4	48,781	3/4	35,975	3/4	23,179	3/4	10,238	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	61,443	4	48,511	4	35,713	4	22,910	4	9,968	4	4	4	4	4	4	4	4	4	4
1/4	61,174	1/4	48,242	1/4	35,451	1/4	22,640	1/4	9,698	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,905	1/2	47,972	1/2	35,188	1/2	22,371	1/2	9,429	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,635	3/4	47,703	3/4	34,926	3/4	22,101	3/4	9,159	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	60,366	5	47,434	5	34,664	5	21,831	5	8,889	5	0	5	5	5	5	5	5	5	5
1/4	60,096	1/4	47,164	1/4	34,401	1/4	21,562	1/4	8,619	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,827	1/2	46,895	1/2	34,139	1/2	21,292	1/2	8,349	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,557	3/4	46,625	3/4	33,877	3/4	21,023	3/4	8,079	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	59,288	6	46,356	6	33,614	6	20,753	6	7,809	6	0	6	6	6	6	6	6	6	6
1/4	59,019	1/4	46,087	1/4	33,352	1/4	20,483	1/4	7,540	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,749	1/2	45,817	1/2	33,090	1/2	20,214	1/2	7,270	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,480	3/4	45,548	3/4	32,827	3/4	19,944	3/4	7,001	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	58,210	7	45,278	7	32,565	7	19,675	7	6,731	7	0	7	7	7	7	7	7	7	7
1/4	57,941	1/4	45,009	1/4	32,303	1/4	19,405	1/4	6,461	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,672	1/2	44,739	1/2	32,040	1/2	19,135	1/2	6,192	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,402	3/4	44,470	3/4	31,778	3/4	18,866	3/4	5,922	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	57,133	8	44,201	8	31,516	8	18,596	8	5,653	8	0	8	8	8	8	8	8	8	8
1/4	56,863	1/4	43,931	1/4	31,253	1/4	18,326	1/4	5,383	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,594	1/2	43,662	1/2	30,991	1/2	18,057	1/2	5,114	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,324	3/4	43,392	3/4	30,729	3/4	17,787	3/4	4,845	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	56,055	9	43,123	9	30,459	9	17,518	9	4,577	9	0	9	9	9	9	9	9	9	9
1/4	55,786	1/4	42,854	1/4	30,189	1/4	17,248	1/4	4,308	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,516	1/2	42,584	1/2	29,920	1/2	16,978	1/2	4,040	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,247	3/4	42,315	3/4	29,650	3/4	16,709	3/4	3,771	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	54,977	10	42,045	10	29,380	10	16,439	10	3,504	10	0	10	10	10	10	10	10	10	10
1/4	54,708	1/4	41,776	1/4	29,111	1/4	16,170	1/4	3,237	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,439	1/2	41,506	1/2	28,841	1/2	15,900	1/2	2,970	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,169	3/4	41,237	3/4	28,572	3/4	15,630	3/4	2,703	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	53,900	11	40,973	11	28,302	11	15,361	11	2,439	11	0	11	11	11	11	11	11	11	11
1/4	53,630	1/4	40,709	1/4	28,032	1/4	15,091	1/4	2,174	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,361	1/2	40,444	1/2	27,763	1/2	14,822	1/2	1,910	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,091	3/4	40,180	3/4	27,493	3/4	14,552	3/4	1,645	3/4	0	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS
 RECALCULATED: 05/04/2019 CL
 REPRINTED: 05/05/2019 SW
 CANCEL S AND SUPERCEDES
 ALL PRIOR TO 05/2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77586
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BARGE "IB 1903"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	62,923	0	50,495	0	38,069	0	26,892	0	13,454	0	1,148	0		0		0			
1/4	62,664	1/4	50,226	1/4	37,837	1/4	26,633	1/4	13,195	1/4	932	1/4		1/4		1/4			
1/2	62,405	1/2	49,957	1/2	37,585	1/2	26,374	1/2	12,936	1/2	717	1/2		1/2		1/2			
3/4	62,146	3/4	49,708	3/4	37,333	3/4	26,114	3/4	12,677	3/4	587	3/4		3/4		3/4			
1	61,887	1	49,449	1	37,081	1	24,855	1	12,418	1	458	1		1		1			
1 1/4	61,628	1 1/4	49,189	1 1/4	36,829	1 1/4	24,596	1 1/4	12,158	1 1/4	328	1 1/4		1 1/4		1 1/4			
1 1/2	61,368	1 1/2	48,930	1 1/2	36,577	1 1/2	24,337	1 1/2	11,899	1 1/2	199	1 1/2		1 1/2		1 1/2			
1 3/4	61,109	1 3/4	48,671	1 3/4	36,325	1 3/4	24,078	1 3/4	11,640	1 3/4	195	1 3/4		1 3/4		1 3/4			
2	60,850	2	48,412	2	36,073	2	23,819	2	11,381	2	112	2		2		2			
1 1/4	60,591	1 1/4	48,153	1 1/4	35,821	1 1/4	23,560	1 1/4	11,122	1 1/4	69	1 1/4		1 1/4		1 1/4			
1 1/2	60,332	1 1/2	47,894	1 1/2	35,568	1 1/2	23,301	1 1/2	10,863	1 1/2	26	1 1/2		1 1/2		1 1/2			
1 3/4	60,073	1 3/4	47,635	1 3/4	35,316	1 3/4	23,041	1 3/4	10,604	1 3/4		1 3/4		1 3/4		1 3/4			
3	59,814	3	47,376	3	35,064	3	22,782	3	10,345	3		3		3		3			
1 1/4	59,555	1 1/4	47,116	1 1/4	34,812	1 1/4	22,523	1 1/4	10,086	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	59,295	1 1/2	46,857	1 1/2	34,560	1 1/2	22,264	1 1/2	9,826	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	59,036	1 3/4	46,598	1 3/4	34,308	1 3/4	22,005	1 3/4	9,567	1 3/4		1 3/4		1 3/4		1 3/4			
4	58,777	4	46,339	4	34,056	4	21,746	4	9,308	4		4		4		4			
1 1/4	58,518	1 1/4	46,080	1 1/4	33,804	1 1/4	21,487	1 1/4	9,049	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	58,259	1 1/2	45,821	1 1/2	33,552	1 1/2	21,228	1 1/2	8,790	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	58,000	1 3/4	45,562	1 3/4	33,300	1 3/4	20,969	1 3/4	8,531	1 3/4		1 3/4		1 3/4		1 3/4			
5	57,741	5	45,302	5	33,048	5	20,709	5	8,272	5		5		5		5			
1 1/4	57,482	1 1/4	45,043	1 1/4	32,796	1 1/4	20,450	1 1/4	8,013	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	57,222	1 1/2	44,784	1 1/2	32,544	1 1/2	20,191	1 1/2	7,753	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	56,963	1 3/4	44,525	1 3/4	32,292	1 3/4	19,932	1 3/4	7,494	1 3/4		1 3/4		1 3/4		1 3/4			
6	56,704	6	44,266	6	32,040	6	19,673	6	7,235	6		6		6		6			
1 1/4	56,445	1 1/4	44,007	1 1/4	31,788	1 1/4	19,414	1 1/4	6,976	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	56,186	1 1/2	43,748	1 1/2	31,536	1 1/2	19,155	1 1/2	6,717	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	55,927	1 3/4	43,489	1 3/4	31,284	1 3/4	18,896	1 3/4	6,458	1 3/4		1 3/4		1 3/4		1 3/4			
7	55,668	7	43,229	7	31,032	7	18,636	7	6,200	7		7		7		7			
1 1/4	55,408	1 1/4	42,970	1 1/4	30,780	1 1/4	18,377	1 1/4	5,941	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	55,149	1 1/2	42,711	1 1/2	30,528	1 1/2	18,118	1 1/2	5,682	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	54,890	1 3/4	42,452	1 3/4	30,276	1 3/4	17,859	1 3/4	5,424	1 3/4		1 3/4		1 3/4		1 3/4			
8	54,631	8	42,193	8	30,024	8	17,600	8	5,165	8		8		8		8			
1 1/4	54,372	1 1/4	41,934	1 1/4	29,771	1 1/4	17,341	1 1/4	4,907	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	54,113	1 1/2	41,675	1 1/2	29,519	1 1/2	17,082	1 1/2	4,649	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	53,854	1 3/4	41,416	1 3/4	29,260	1 3/4	16,823	1 3/4	4,391	1 3/4		1 3/4		1 3/4		1 3/4			
9	53,595	9	41,156	9	29,001	9	16,563	9	4,134	9		9		9		9			
1 1/4	53,335	1 1/4	40,897	1 1/4	28,742	1 1/4	16,304	1 1/4	3,876	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	53,076	1 1/2	40,638	1 1/2	28,483	1 1/2	16,045	1 1/2	3,619	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	52,817	1 3/4	40,379	1 3/4	28,224	1 3/4	15,786	1 3/4	3,363	1 3/4		1 3/4		1 3/4		1 3/4			
10	52,558	10	40,120	10	27,965	10	15,527	10	3,106	10		10		10		10			
1 1/4	52,299	1 1/4	39,861	1 1/4	27,706	1 1/4	15,268	1 1/4	2,850	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	52,040	1 1/2	39,602	1 1/2	27,446	1 1/2	15,009	1 1/2	2,594	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	51,781	1 3/4	39,343	1 3/4	27,187	1 3/4	14,750	1 3/4	2,334	1 3/4		1 3/4		1 3/4		1 3/4			
11	51,522	11	39,087	11	26,928	11	14,491	11	2,087	11		11		11		11			
1 1/4	51,263	1 1/4	38,845	1 1/4	26,669	1 1/4	14,231	1 1/4	1,833	1 1/4		1 1/4		1 1/4		1 1/4			
1 1/2	51,003	1 1/2	38,593	1 1/2	26,410	1 1/2	13,972	1 1/2	1,579	1 1/2		1 1/2		1 1/2		1 1/2			
1 3/4	50,744	1 3/4	38,341	1 3/4	26,151	1 3/4	13,713	1 3/4	1,364	1 3/4		1 3/4		1 3/4		1 3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAINED: 05/03/2019 JS
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 & ANALYSIS, INC.
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BARGE "IB 1903"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 15'-02"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9				
0	172,412	0	172,412	0	160,499	0	148,189	0	135,880	0	123,570	0	111,261	0	98,951	0	86,642	0	74,332				
1/4	172,241	1/4	160,242	1/4	147,933	1/4	147,533	1/4	135,623	1/4	123,314	1/4	111,004	1/4	98,695	1/4	86,385	1/4	74,076				
1/2	172,070	1/2	159,986	1/2	147,676	1/2	147,676	1/2	135,367	1/2	123,067	1/2	110,748	1/2	98,438	1/2	86,129	1/2	73,819				
3/4	171,899	3/4	159,729	3/4	147,420	3/4	147,420	3/4	135,110	3/4	122,801	3/4	110,535	3/4	98,182	3/4	85,872	3/4	73,563				
1	171,728	1	159,473	1	147,163	1	147,163	1	134,854	1	122,544	1	110,235	1	97,925	1	85,616	1	73,307				
1 1/4	171,494	1 1/4	159,217	1 1/4	146,907	1 1/4	146,907	1 1/4	134,598	1 1/4	122,288	1 1/4	109,979	1 1/4	97,669	1 1/4	85,360	1 1/4	73,050				
1 1/2	171,240	1 1/2	158,960	1 1/2	146,651	1 1/2	146,651	1 1/2	134,340	1 1/2	122,032	1 1/2	109,722	1 1/2	97,413	1 1/2	85,103	1 1/2	72,794				
3/4	170,995	3/4	158,704	3/4	146,394	3/4	146,394	3/4	134,085	3/4	121,775	3/4	109,466	3/4	97,156	3/4	84,847	3/4	72,537				
2	170,751	2	158,447	2	146,138	2	146,138	2	133,828	2	121,519	2	109,209	2	96,900	2	84,590	2	72,281				
1 1/4	170,496	1 1/4	158,191	1 1/4	145,881	1 1/4	145,881	1 1/4	133,572	1 1/4	121,262	1 1/4	108,953	1 1/4	96,643	1 1/4	84,334	1 1/4	72,024				
1 1/2	170,240	1 1/2	157,934	1 1/2	145,625	1 1/2	145,625	1 1/2	133,315	1 1/2	121,006	1 1/2	108,696	1 1/2	96,387	1 1/2	84,077	1 1/2	71,768				
3/4	169,985	3/4	157,678	3/4	145,368	3/4	145,368	3/4	133,059	3/4	120,749	3/4	108,440	3/4	96,130	3/4	83,821	3/4	71,511				
3	169,730	3	157,421	3	145,112	3	145,112	3	132,802	3	120,493	3	108,183	3	95,874	3	83,564	3	71,255				
1 1/4	169,474	1 1/4	157,165	1 1/4	144,855	1 1/4	144,855	1 1/4	132,546	1 1/4	120,236	1 1/4	107,927	1 1/4	95,617	1 1/4	83,308	1 1/4	70,998				
1 1/2	169,218	1 1/2	156,909	1 1/2	144,599	1 1/2	144,599	1 1/2	132,290	1 1/2	119,980	1 1/2	107,671	1 1/2	95,361	1 1/2	83,052	1 1/2	70,742				
3/4	168,961	3/4	156,652	3/4	144,343	3/4	144,343	3/4	132,033	3/4	119,724	3/4	107,414	3/4	95,105	3/4	82,795	3/4	70,486				
4	168,705	4	156,396	4	144,086	4	144,086	4	131,777	4	119,467	4	107,158	4	94,848	4	82,539	4	70,229				
1 1/4	168,449	1 1/4	156,139	1 1/4	143,830	1 1/4	143,830	1 1/4	131,520	1 1/4	119,211	1 1/4	106,901	1 1/4	94,592	1 1/4	82,282	1 1/4	69,973				
1 1/2	168,192	1 1/2	155,883	1 1/2	143,573	1 1/2	143,573	1 1/2	131,264	1 1/2	118,954	1 1/2	106,645	1 1/2	94,335	1 1/2	82,026	1 1/2	69,716				
3/4	167,936	3/4	155,626	3/4	143,317	3/4	143,317	3/4	131,007	3/4	118,698	3/4	106,388	3/4	94,079	3/4	81,769	3/4	69,460				
5	167,679	5	155,370	5	143,060	5	143,060	5	130,751	5	118,441	5	106,132	5	93,822	5	81,513	5	69,203				
1 1/4	167,423	1 1/4	155,113	1 1/4	142,804	1 1/4	142,804	1 1/4	130,494	1 1/4	118,185	1 1/4	105,875	1 1/4	93,566	1 1/4	81,256	1 1/4	68,947				
1 1/2	167,166	1 1/2	154,857	1 1/2	142,547	1 1/2	142,547	1 1/2	130,238	1 1/2	117,928	1 1/2	105,619	1 1/2	93,309	1 1/2	81,000	1 1/2	68,690				
3/4	166,910	3/4	154,600	3/4	142,291	3/4	142,291	3/4	129,981	3/4	117,672	3/4	105,362	3/4	93,053	3/4	80,743	3/4	68,434				
6	166,654	6	154,344	6	142,035	6	142,035	6	129,725	6	117,416	6	105,106	6	92,797	6	80,487	6	68,178				
1 1/4	166,397	1 1/4	154,088	1 1/4	141,778	1 1/4	141,778	1 1/4	129,469	1 1/4	117,159	1 1/4	104,850	1 1/4	92,540	1 1/4	80,231	1 1/4	67,921				
1 1/2	166,141	1 1/2	153,831	1 1/2	141,522	1 1/2	141,522	1 1/2	129,212	1 1/2	116,903	1 1/2	104,593	1 1/2	92,284	1 1/2	79,974	1 1/2	67,665				
3/4	165,884	3/4	153,575	3/4	141,265	3/4	141,265	3/4	128,956	3/4	116,646	3/4	104,337	3/4	92,027	3/4	79,718	3/4	67,408				
7	165,628	7	153,318	7	141,009	7	141,009	7	128,699	7	116,390	7	104,080	7	91,771	7	79,461	7	67,152				
1 1/4	165,371	1 1/4	153,062	1 1/4	140,752	1 1/4	140,752	1 1/4	128,443	1 1/4	116,133	1 1/4	103,824	1 1/4	91,514	1 1/4	79,205	1 1/4	66,895				
1 1/2	165,115	1 1/2	152,805	1 1/2	140,496	1 1/2	140,496	1 1/2	128,186	1 1/2	115,877	1 1/2	103,567	1 1/2	91,258	1 1/2	78,948	1 1/2	66,639				
3/4	164,858	3/4	152,549	3/4	140,239	3/4	140,239	3/4	127,930	3/4	115,620	3/4	103,311	3/4	91,001	3/4	78,692	3/4	66,382				
8	164,602	8	152,292	8	139,983	8	139,983	8	127,673	8	115,364	8	103,054	8	90,745	8	78,435	8	66,126				
1 1/4	164,346	1 1/4	152,036	1 1/4	139,727	1 1/4	139,727	1 1/4	127,417	1 1/4	115,108	1 1/4	102,798	1 1/4	90,489	1 1/4	78,179	1 1/4	65,870				
1 1/2	164,089	1 1/2	151,780	1 1/2	139,470	1 1/2	139,470	1 1/2	127,161	1 1/2	114,851	1 1/2	102,542	1 1/2	90,232	1 1/2	77,923	1 1/2	65,613				
3/4	163,833	3/4	151,523	3/4	139,214	3/4	139,214	3/4	126,904	3/4	114,595	3/4	102,285	3/4	89,976	3/4	77,666	3/4	65,357				
9	163,576	9	151,267	9	138,957	9	138,957	9	126,648	9	114,338	9	102,029	9	89,719	9	77,410	9	65,100				
1 1/4	163,320	1 1/4	151,010	1 1/4	138,701	1 1/4	138,701	1 1/4	126,391	1 1/4	114,082	1 1/4	101,772	1 1/4	89,463	1 1/4	77,153	1 1/4	64,844				
1 1/2	163,063	1 1/2	150,754	1 1/2	138,444	1 1/2	138,444	1 1/2	126,135	1 1/2	113,825	1 1/2	101,516	1 1/2	89,206	1 1/2	76,897	1 1/2	64,588				
3/4	162,807	3/4	150,497	3/4	138,188	3/4	138,188	3/4	125,878	3/4	113,569	3/4	101,259	3/4	88,950	3/4	76,640	3/4	64,331				
10	162,550	10	150,241	10	137,931	10	137,931	10	125,622	10	113,312	10	101,003	10	88,693	10	76,384	10	64,074				
1 1/4	162,294	1 1/4	149,984	1 1/4	137,675	1 1/4	137,675	1 1/4	125,365	1 1/4	113,056	1 1/4	100,746	1 1/4	88,437	1 1/4	76,127	1 1/4	63,818				
1 1/2	162,037	1 1/2	149,728	1 1/2	137,418	1 1/2	137,418	1 1/2	125,109	1 1/2	112,799	1 1/2	100,490	1 1/2	88,180	1 1/2	75,870	1 1/2	63,561				
3/4	161,781	3/4	149,472	3/4	137,162	3/4	137,162	3/4	124,853	3/4	112,543	3/4	100,234	3/4	87,924	3/4	75,613	3/4	63,305				
11	161,525	11	149,215	11	136,906	11	136,906	11	124,596	11	112,287	11	99,977	11	87,668	11	75,358	11	63,049				
1 1/4	161,269	1 1/4	148,959	1 1/4	136,649	1 1/4	136,649	1 1/4	124,340	1 1/4	112,030	1 1/4	99,721	1 1/4	87,411	1 1/4	75,101	1 1/4	62,792				
1 1/2	161,012	1 1/2	148,702	1 1/2	136,393	1 1/2	136,393	1 1/2	124,083	1 1/2	111,774	1 1/2	99,464	1 1/2	87,155	1 1/2	74,845	1 1/2	62,536				
3/4	160,755	3/4	148,446	3/4	136,136	3/4	136,136	3/4	123,827	3/4	111,517	3/4	99,208	3/4	86,898	3/4	74,589	3/4	62,279				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE EXTENDS TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE.
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 3'-100" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
 http://www.pma.com.net



BARGE "IB 1903"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	62,023	0	49,713	0	37,407	0	25,112	0	12,803	0
1/4	61,766	1/4	49,457	1/4	37,151	1/4	24,856	1/4	12,547	1/4
1/2	61,510	1/2	49,200	1/2	36,895	1/2	24,599	1/2	12,290	1/2
3/4	61,253	3/4	48,944	3/4	36,639	3/4	24,343	3/4	12,034	3/4
1	60,997	1	48,688	1	36,383	1	24,086	1	11,777	1
1 1/4	60,741	1 1/4	48,431	1 1/4	36,127	1 1/4	23,830	1 1/4	11,521	1 1/4
1 1/2	60,484	1 1/2	48,175	1 1/2	35,871	1 1/2	23,573	1 1/2	11,264	1 1/2
1 3/4	60,228	1 3/4	47,918	1 3/4	35,615	1 3/4	23,317	1 3/4	11,008	1 3/4
2	59,971	2	47,662	2	35,359	2	23,061	2	10,751	2
1/4	59,715	1/4	47,405	1/4	35,103	1/4	22,804	1/4	10,495	1/4
1/2	59,458	1/2	47,149	1/2	34,847	1/2	22,548	1/2	10,239	1/2
3/4	59,202	3/4	46,892	3/4	34,591	3/4	22,291	3/4	9,982	3/4
3	58,945	3	46,636	3	34,335	3	22,035	3	9,726	3
1/4	58,689	1/4	46,379	1/4	34,079	1/4	21,778	1/4	9,469	1/4
1/2	58,433	1/2	46,123	1/2	33,823	1/2	21,522	1/2	9,213	1/2
3/4	58,176	3/4	45,867	3/4	33,567	3/4	21,265	3/4	8,956	3/4
4	57,920	4	45,610	4	33,311	4	21,009	4	8,700	4
1/4	57,663	1/4	45,354	1/4	33,055	1/4	20,753	1/4	8,444	1/4
1/2	57,407	1/2	45,097	1/2	32,799	1/2	20,496	1/2	8,187	1/2
3/4	57,150	3/4	44,841	3/4	32,543	3/4	20,240	3/4	7,931	3/4
5	56,894	5	44,584	5	32,287	5	19,983	5	7,674	5
1/4	56,637	1/4	44,328	1/4	32,031	1/4	19,727	1/4	7,418	1/4
1/2	56,381	1/2	44,071	1/2	31,775	1/2	19,470	1/2	7,161	1/2
3/4	56,124	3/4	43,815	3/4	31,519	3/4	19,214	3/4	6,905	3/4
6	55,868	6	43,559	6	31,263	6	18,958	6	6,649	6
1/4	55,612	1/4	43,302	1/4	31,007	1/4	18,701	1/4	6,393	1/4
1/2	55,355	1/2	43,046	1/2	30,751	1/2	18,445	1/2	6,136	1/2
3/4	55,099	3/4	42,789	3/4	30,495	3/4	18,188	3/4	5,880	3/4
7	54,842	7	42,533	7	30,239	7	17,932	7	5,624	7
1/4	54,586	1/4	42,276	1/4	29,983	1/4	17,675	1/4	5,368	1/4
1/2	54,329	1/2	42,020	1/2	29,727	1/2	17,419	1/2	5,113	1/2
3/4	54,073	3/4	41,763	3/4	29,471	3/4	17,162	3/4	4,857	3/4
8	53,816	8	41,507	8	29,215	8	16,906	8	4,601	8
1/4	53,560	1/4	41,251	1/4	28,959	1/4	16,650	1/4	4,347	1/4
1/2	53,304	1/2	40,994	1/2	28,702	1/2	16,393	1/2	4,092	1/2
3/4	53,047	3/4	40,738	3/4	28,446	3/4	16,137	3/4	3,837	3/4
9	52,791	9	40,481	9	28,189	9	15,880	9	3,582	9
1/4	52,534	1/4	40,225	1/4	27,933	1/4	15,624	1/4	3,329	1/4
1/2	52,278	1/2	39,968	1/2	27,676	1/2	15,367	1/2	3,075	1/2
3/4	52,021	3/4	39,712	3/4	27,420	3/4	15,111	3/4	2,822	3/4
10	51,765	10	39,455	10	27,164	10	14,854	10	2,568	10
1/4	51,508	1/4	39,199	1/4	26,907	1/4	14,598	1/4	2,317	1/4
1/2	51,252	1/2	38,943	1/2	26,651	1/2	14,342	1/2	2,066	1/2
3/4	50,996	3/4	38,687	3/4	26,394	3/4	14,085	3/4	1,815	3/4
11	50,739	11	38,431	11	26,138	11	13,829	11	1,564	11
1/4	50,483	1/4	38,175	1/4	25,881	1/4	13,572	1/4	1,350	1/4
1/2	50,226	1/2	37,919	1/2	25,625	1/2	13,316	1/2	1,137	1/2
3/4	49,970	3/4	37,663	3/4	25,368	3/4	13,059	3/4	924	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

RESTRAPPED: 05/03/2019 JS
 RECALCULATED: 05/04/2019 CL
 REPRINTED: 05/05/2019 SW
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 05/2019

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